

METHOD AND APPARATUS FOR CALL QUEUING IN A CELLULAR COMMUNICATION SYSTEM

Abstract of the Disclosure

5 A communication system is provided that transitions, or otherwise assures, that a
queued origination or destination mobile station (MS) is in a Radio Environment
Reporting (RER) mode. Based on Radio Environment Messages conveyed by the MS to
a serving network when in an RER mode, the network is able to determine RF resource
availability at an appropriate Base Station without having to first page the MS and is
10 further able to consider whether the MS has roamed while queued. By not having to page
the MS, delay is reduced relative to the prior art in setting up a call once it is determined
that an RF resource may be assigned to the MS. Furthermore, less latency is involved for
the network to place the MS into a Traffic state when transitioning from an RER mode
than would be the case if the MS was dormant or in an Idle/Access state.

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